

FIGURE 1

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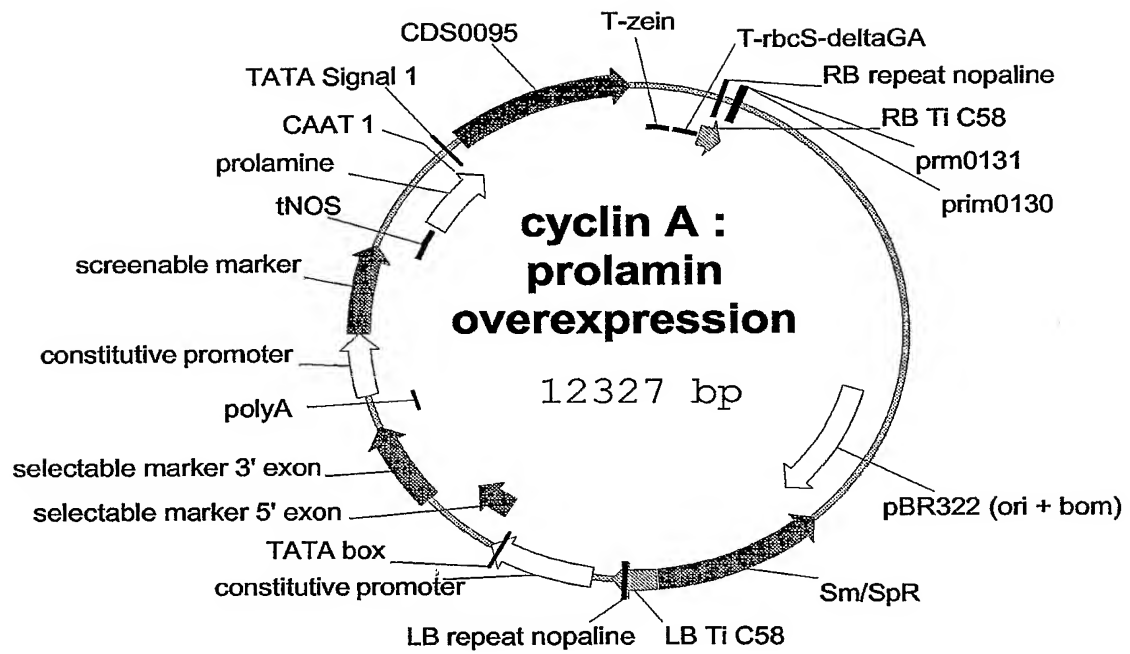


FIGURE 2

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<b>Gene name</b>	<b>Plant accession</b>	<b>Motif 1</b>	<b>Motif 2</b>
<b>Cyclin A2;1</b>	<b>Arabidopsis At5g25380</b>	<b>WLVEVSEEEYKLVSDT</b>	<b>ELTLTEYTFRLFLPS</b>
<b>Cyclin A2;2</b>	<b>Arabidopsis At5g11300</b>	<b>WLVEVSDDYKLV PDT</b>	<b>ELTLVEYSFLRFLPS</b>
<b>Cyclin A2;3</b>	<b>Arabidopsis At1g15570</b>	<b>WLVEVSEEEYTLASDT</b>	<b>ELTLIDYHFLKFLPS</b>
<b>Cyclin A2;4</b>	<b>Arabidopsis At5g43080</b>	<b>WLVEVSEEEYTLV PDT</b>	<b>ELTLM DYPFLKFLPS</b>
<b>Cyclin A2 type</b>	<b>Rice AK106653</b>	<b>WLVEVSEEEYKLV PDT</b>	<b>ELTLIDYSFLKFLPS</b>
<b>Cyclin A2 type</b>	<b>Medicago AAK81695</b>	<b>WLVEVSEGYKLQANT</b>	<b>ELTLMNYGFLNFLPS</b>
<b>Cyclin A2 type</b>	<b>Nicotiana BAA09367</b>	<b>WLVEVSEEEYRLV PDT</b>	<b>ELTLVDYGFLKFLPS</b>
<b>Cyclin A1;1</b>	<b>Arabidopsis At1g44110</b>	<b>WLIEVSEEEYRLVPET</b>	<b>ELSLLEYTMLSHSPS</b>
<b>Cyclin A1;2</b>	<b>Arabidopsis At1g77390</b>	<b>WLVEVAEEYRLSPET</b>	<b>ELSLLDYAMLRYAPS</b>
<b>Cyclin A3;1</b>	<b>Arabidopsis at5g43080</b>	<b>WLVEVAEEYKLLSDT</b>	<b>ELSMLDYQSVKFLPS</b>
<b>Cyclin A1.1 type</b>	<b>Rice BAA86628</b>	<b>WLVEVAEEYRLV PDT</b>	<b>ELSLLEYNLLSYPPS</b>
<b>Cyclin B1;1</b>	<b>Arabidopsis At4g37490</b>	<b>WLIDVHVRFELNPET</b>	<b>ELGVMHYDTMIMFSPS</b>

FIGURE 3

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## SEQUENCE LISTING

**SEQ ID NO 01:** DNA sequence of Cyclin A2;2 (A variant of the coding sequence of the sequence deposited under accession number NM\_121168 contains a G instead of C on position 851 (boxed) and a T instead of C on position 1295(boxed))

```
atgtattgctcttcttcgatgcatccaaatgcaaacaaagaaaatatctctacttcagatgt
acaggagagttttgtacgaataacgagatcacgagctaaaaaagccatgggaagaggagtat
caatacctccaacaaaaccttcttttaaacagcaaaagagacgtgcagtacttaaggatgtg
agtaatacctctgcagatattattttattcagaacttcgaaagggagggaacatcaaggcaaa
cagaaaatgtctaaaagagcctaaaaaagcagcaaaaggaaggtgctaacagtgccatggata
ttctggtagatatgcatacagaaaaatcaaaattagcagaagatttgtccaagatcaggatg
gctgaagcccaagatgtctctctttcaaacttttaagatgaagaaattactgagcaacaaga
agatggatcaggtgtcatggagttacttcaagttgtagatattgattccaacgtcgaagatc
cacagtgttgacgcttgtagtctgctgatatatatgacaacatacatgttgacagagcttcaa
caacgacccttggttaattatatggagcttggtgcagcgagatatcgaccagacatgagaaa
gattctgattgactggcttgtagaagtttctgacgactacaagctggttccagatacgcttt
accttacagtgaatcttatcgaccggtttctgtccaacagttacattgaaaggcaagactc
cagctccttggtgtctcttgcatgcttatagcttcaaaatatgaagagctttccgcaccagg
ggtggaggagtttttgcttcattacggccaacacatacacaagac[boxed]agaagtgtgagcatgg
agattcaaattctaaattttgtgcacttttagattatcggttcctaccacaaaacattttctg
aggcggttcattaaagcagctcaagcttcgtacaaggtgccttttcattgaactggagtat
agcaaaactatctcgccgaattgacactggtggaatatagtttcctaaggttcctgccatcac
taattgctgcttcagctgttttcttagcccgatggacactcgaccaaactgaccatccttgg
aaccctactctgcaacactacaccagatatgaggtagctgagctgaagaacacagttctcgc
catggaggacttgacgctcaacaccagtggtgtgactctcgctgccaccctgagaaataca
accaaccaaagtttaagagcgtggcaaagctgacatctcccaaacgagtcacat[boxed]actattc
tcaagatga
```

**SEQ ID NO 02:** protein sequence of Cyclin A2;2 (A variant of the sequence deposited under accession number NP\_568248 contains an arginine instead of a proline on position 284 (boxed) and a phenylalanine instead of a serine on position 432 (boxed))

```
MYCSSSMHPNANKENISTSDVQESFVRITRSRAKKAMGRGVSIPPTKPSFKQQKRRAVLKDV
SNTSADI IYSELRKGGNIKANRKCLKEPKKAAKEGANSAMDILVDMHTEKSKLAEDLSKIRM
AEAQDVLSLNFKDEEITEQQEDGSGVMELLQVVDIDSNVEDPQCCSLYAADIYDNIHVAELQ
QRPLANYMELVQRDIDPDMRKILIDWLVEVSDDYKLVPDTLYLTVNLIDRFLSNSYIERQRL
QLLGVSCLMIASKYEELSAPGVEEFCFITANTYTR[boxed]EVLSMEIQILNFVHFRLSVPTTKTFL
RRFIKAAQASYKVPFIELEYLANYLAEITLVEYSFLRFLPSLIAASAVFLARWTLQDTHPW
NPTLQHYTRYEVAELKNTVLAMEDLQLNTSGCTLAATREKYNQPKFKSVAKLTSPKRVT[boxed]SLF
SR
```

FIGURE 4

**5/5****SEQ ID NO 03:** DNA sequence of the prolamin promoter

cttctacatcggccttaggtgtagcaacacgactttattattattattattattattattatt  
atthttacaaaaatataaaatagatcagtcctccaccacaagtagagcaagttggtgagttat  
tgtaaagttctacaaagctaattttaaaagttattgcattaacttattttcatattacaaacaa  
gagtgtcaatggaacaatgaaaaccatatgacatactataattttggtttttattattgaaat  
tatataattcaaagagaataaaatccacatagccgtaaagttctacatgtggtgcattaccaa  
aatatatatagcttacaaaacatgacaagcttagtttgaaaaattgcaatccttatcacatt  
gacacataaagtgtgagtgtgagtcataatattatttttctttgctacccatcatgtatatatg  
atagccacaaagttactttgatgatgatatacaagaacatttttaggtgcacctaacagaat  
atccaaataatatgactcacttagatcataatagagcatcaagtaaaactaacactctaaag  
caaccgatgggaaagcatctataaatagacaagcacaatgaaaatcctcatcatccttcacc  
acaattcaaataattatagttgaagcatagtagta

**SEQ ID NO 04:** primer sequence (primer PRM582)

ggggacaagtttgtacaaaaaagcaggcttcacaatgtattgctcttcttcgatgc

**SEQ ID NO 05:** primer sequence (primer PRM583)

ggggaccacttttgtacaagaaagctgggtgcttggtgtcatcttgagaatag

**FIGURE 4 (continued)**